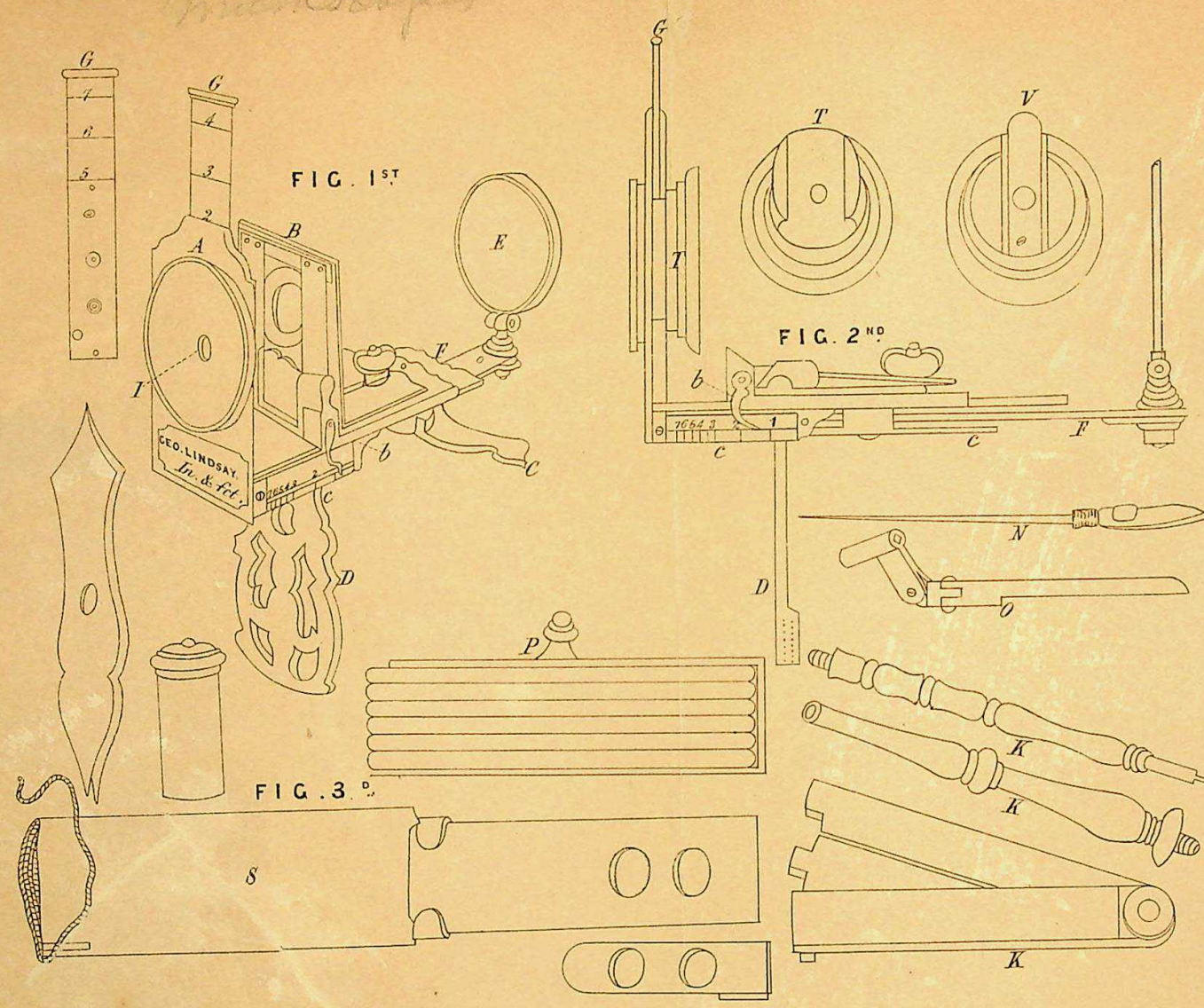


*Optics
Microscopes*



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88. OPTICS, *Microscopes*
Microscopes.



A.D. 1743 N° 588.

Microscopes.

LINDSAY'S SPECIFICATION.

WHEREAS His Majesty, by His Letters Patent under the Great Seal of Great Britain, dated the Seventeenth day of February, in the sixteenth year of His reign, did grant unto me, George Lindsay, of the Parish of Saint Martin's in the Fields, in the County of Middlesex, Watchmaker, my executors, administrators, and assignes, the sole use and benefitt of making and vending "A GENERALL PORTABLE MICROSCOPE, OF A STRUCTURE INTIRELY NEW AND DIFFERENT FROM ANY NOW IN USE, WHICH, WITH PARTS FOR TRANSPARENT AND OPAKE BODIES, CONVENIENCES FOR LIVING CREATURES, AND A STAND AND REFLECTING SPECULUM, ARE CONTAINED IN A CASE NOT EXCEEDING SIX CUBICK INCHES, AND IS SO CONTRIVED AS THE INSTANT IT IS TAKEN OUT TO BE READY FOR USE, WITHOUT THE TROUBLE OF SCREWING AND UNSCREWING ANY PART, AND MEASURES BY A SCALE THE FOCCAL DISTANCE OF EACH LENS, THEREBY GIVEING THE REALL AND APPARENT MAGNITUDES OF OBJECTS, HAVING ALSO REFLECTING MIRRORS FOR ILLUMINATING DARK BODIES, AND IS APPLICABLE TO ALL THE PURPOSES WHICH THE NATURE OF MICROSCOPES ADMITTS," invented, contrived, and found out by me, the said George Lindsay, for and during the term of fourteen years, within that part of Great Britain called England, the Dominion of Wales, and Towne of Berwick-upon-Tweed; in which said Patent there is a proviso, that if I, the said George Lindsay, shall not particularly describe and ascertaine the nature of the said Invention, and in what manner the same is to be performed, by an instrument

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in writing under my hand and seal, and cause the same to be inrolled in His Majesty's High Court of Chancery within four callender months next after the date of the said Letters Patent, that the said Letters Patent, and all libertyes and advantages whatsoever thereby granted, shall utterly cease, determine, and become void, anything therein contained to the contrary 5 notwithstanding.

NOW KNOW ALL MEN BY THESE PRESENTS, that I, the said George Lindsay, pursuant to the said proviso, do hereby describe, delineate, and ascertain, the nature and form of my said Invention to consist as in the Plan thereof hereunto annexed, and as the said Invention and the said Plan 10 thereof is particularly described in the words and figures following (that is to say):—

Figure 1 represents the microscope ready for use. A, I call the head of the instrument. To this is fixed a plate on which the object part B slides, and is moved backwards or forwards by the leaver C, which turns out and folds 15 in with the rest. D is the handle, to turn up or down occasionally. E is a speculum, to reflect light on the object, fitted in a socket at the end of the sliding barr F. G, G, are sliders in which are sett the glasses, whose numbers appear at the top of the head when each successively is brought before the aperture I, and the focal distance of each glass is denoted by the number over 20 each division on the scale C, by the Index 6. K, K, K, are three peices which form a stand for the instrument. N, O, are a pair of tongs, and a spring tube to hold them, whose tail fits into the cavity represented at E, in Figure 2d, in which situation it is an instrument for opake bodies; and the mirrors (T and V), one of which is a sphericall, the other a cone, are to be applied as repre- 25 sented at T in Figure 2d, to illuminate the side of the object next the eye. P is a case to contain ivory sliders for objects; and one of its sides being joined to another plate S, as in Figure 3d, is for confining a fish, &c., to view the circulation of the blood. These are the most essential parts of the said Invention or microscope. The materialls of which it is made are such as are 30 common to all mathematicall and optically instruments.

In witness whereof, I, the said George Lindsay, have hereunto sett my hand and seal, this Thirty-first day of May, in the sixteenth year of the reign of our Sovereign Lord George the Second, by the grace of God of Great Britain, France, and Ireland King, Defender of the 35 Faith, &c., and in the year of our Lord One thousand seven hundred and forty-three.

GEORGE LINDSAY.

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AND BE IT REMEMBRED, that on the First day of June, One thousand seven hundred and forty-three, the aforesaid George Lindsay came before our Lord the King in His Chancery, and acknowledged the Writing above said, and all and every thing therein contained and specified, in form aforesaid.
5 And also the said Writing was stamped according to the form of the Statute made and provided in the sixth year of the reign of the late King William and Queen Mary, and so forth.

SPICER.

Inrolled the Fourth day of June, in the year above written.

LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1856.